



# PHOTOVISION®

**HIGH-SPEED FULLY AUTOMATED TIMING SYSTEMS**

**CONSISTENTLY DELIVER IMMEDIATE  
AND PRECISE RACE RESULTS**



# PHOTOVISION®

PhotoVision is high speed sports timing solution that offers full-frame, full-color, time-stamped photos. It produces fully automatic timing (F.A.T.) results accurate to 1/200th of a second. F.A.T.- compliant systems are required by a growing number of organizations such as USATF, IAAF, etc.

## BENEFITS

- ✓ **EASY TO DEPLOY**  
Using the latest developments in optics and electronics, PhotoVision can be set up in less than 10 minutes and will allow you to capture crystal clear color photos immediately.
- ✓ **EASY TO USE**  
With Live View, Photo Viewer, Time Markers, Light Adjustment, Auto-Capture, and full-frame images, you will be able to quickly and accurately determine finish order and times to 1/200th of a second.
- ✓ **INTEGRATION**  
Integrates with all Meet Management Software including: Milesplit, Hytek, MeetPro, EZ Meet Manager, RaceTab and more!

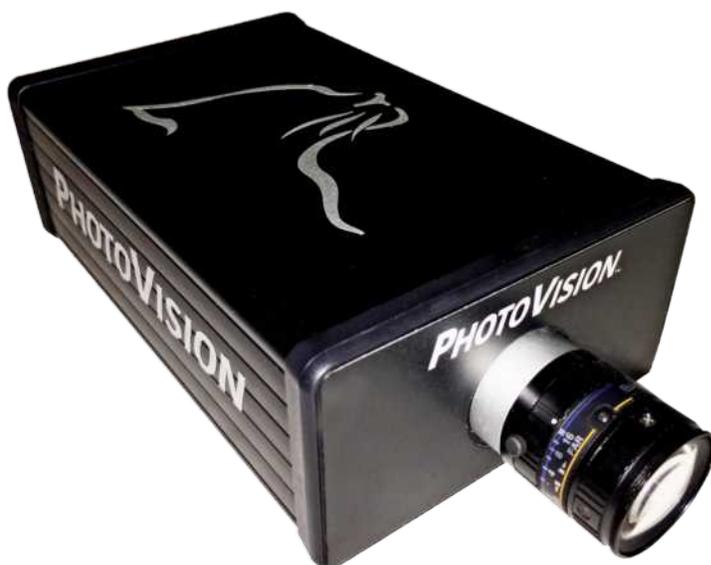


PhotoVision shown with optional FATcap Transmitter, Receiver, and standard tripod.

# PERFORMANCE & SPECIFICATIONS

## PhotoVision

Features	PhotoVision 2000
Line Scan Equivalent Frames Per Second	1,800
Focus Capabilities	Fixed/Variable
Resolution	1280 x 1020
Color/Black & White	Both
Computer Interface	USB 3.0/3.1
Supports 6-25 mm lens	YES
Variable Brightness & Gamma	YES
Photo Enhancement Tools	YES
Zoom - Manual & Digital	YES
Automatic Capture	YES
Integrates with Laser Curtain	YES
Communicates with Digital Clock	YES
CSV File Export of Timing Data	YES
Supports FAT for Track & Field	YES
Windows 8 or 10, Home or Pro Versions	YES





# FATcap

The FATcap wireless Transmitter and Receiver are the heart of the F.A.T. (Fully Automatic Timing) solution of PhotoVision. When a starter pistol is fired, the FATcap Transmitter sends an electronic start signal to the FATcap Receiver, which is connected via USB to the Windows computer running PhotoVision Software. The FATcap Receiver includes two ports for Jaguar accessories. Accessories include lasers which can trigger photo capture automatically and send finish times to the optional Jaguar Digital Clock.

## BENEFITS

- ✓ **EASE OF USE**  
Lightweight wireless Transmitter that detects starter pistol firing while ignoring crowd noise and loud music.
- ✓ **WIRELESS**  
Forget about messy cables. Transmit the PhotoVision start signal up to nearly 2,000 ft (600 m) away from the FATcap Receiver.
- ✓ **MULTIPLE INTERFACES**  
Supports multiple lasers for triggering photo capture and updating a Jaguar clock with the winner's finish time.



**WIRELESS  
TRANSMITTER**



**RECEIVER**

# PERFORMANCE & SPECIFICATIONS

## PhotoVision » » » HOW IT WORKS

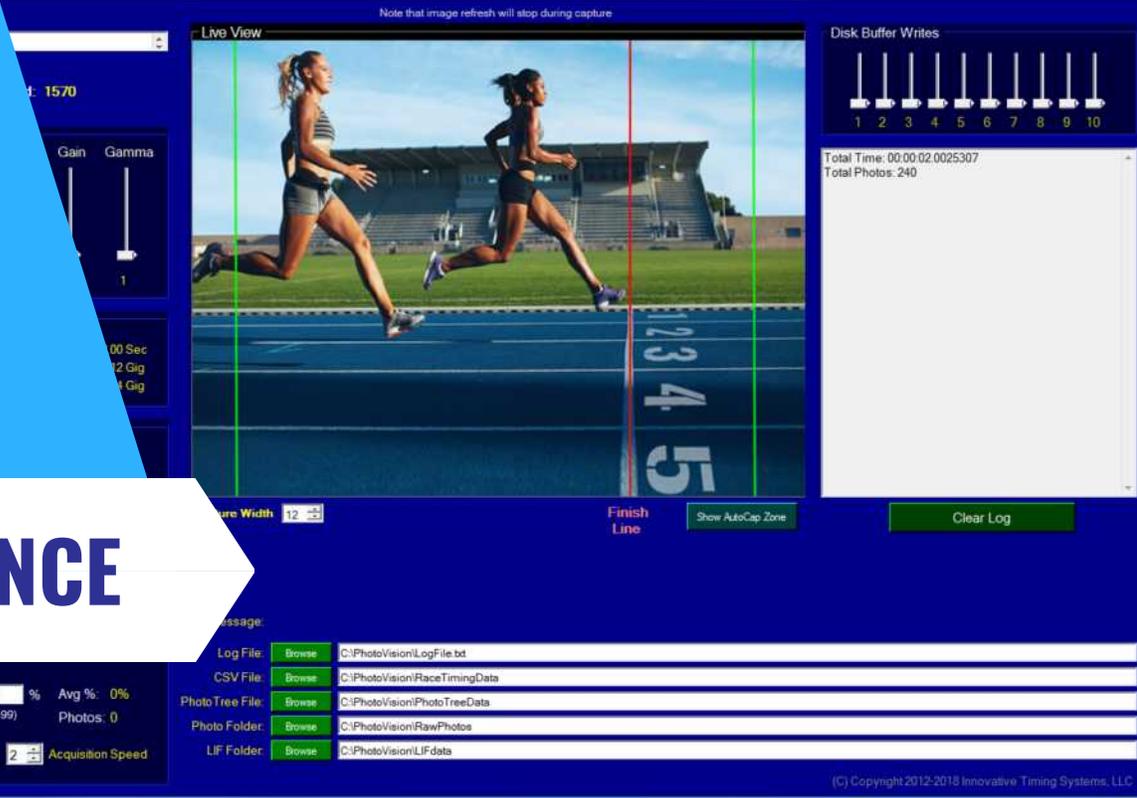


Transmitter	Specifications
Power Supply	Three AA batteries
Battery Life	24 hours of usage
Transmission Range	Up to 2,000 ft (600 m)
Operating Frequency	2.4 GHz range
Protection	Water resistant
Size	5.75" x 3.5" x 1.1" 14.6 cm x 8.9 cm x 2.8 cm
Weight	0.8 lbs/ .36 kg

Receiver	Specifications
Power Supply	USB port on laptop
Current Draw	<500 mA
Receiver Sensitivity	Adjustable
Operating Frequency	2.4 GHz range
Protection	Water resistant
Size	7" x 5" x 2" 17.8 cm x 12.7 cm x 5.1 cm
Weight	1.4 lbs/ .64 kg



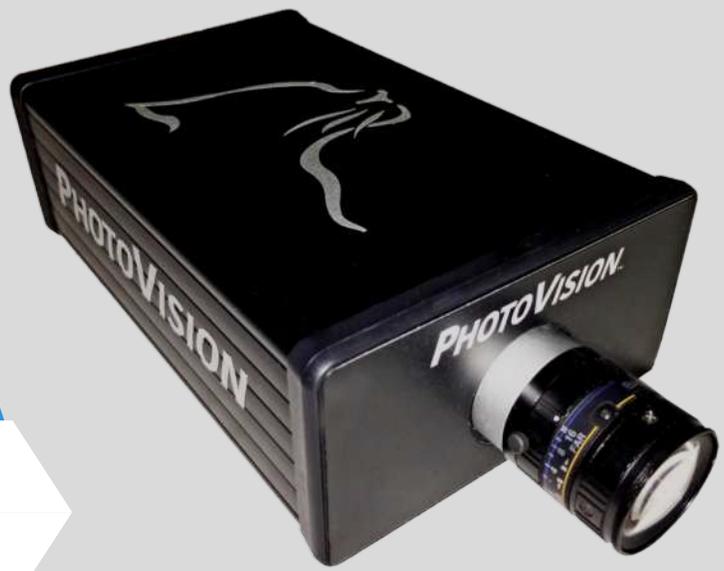
# PERFORMANCE



## In summary, PhotoVision:

- Leverages all of the latest technologies in computers (Processor, Graphic Cards, Memory, SSD disk, USB SS interface) to enable capturing full-frame shots in color at speeds of up to 200 fps.
- Delivers powerful software features to help the operator determine, almost instantly, the finish time to 1/200th of a second.
- Is easy to learn.
- Is up and running in minutes with the wireless FATcap Transmitter and Receiver.
- Requires Windows 10 operating system with an i7 computer, 8GB RAM (16GB recommended), 1920x1080 screen resolution, and USB 3.1 port.

PhotoVision Features	Unique Benefits
Lighting Adjustment	Camera lens aperture ring as well as software adjustments
Capture Width	Full-frame color image; generally up to 10 ft (3 m) in width
Photo Viewer	Instant viewing of captured images with rapid scrolling
Lane Markers	Adjustable on-screen markers that make it easy to identify lanes
Live View	View image in real-time exactly as it will be captured
Accuracy	Photos captured with time stamps to 1/200th of a second
Photo Adjustments	Variable zoom and the ability to re-color photos to improve viewing
Data Formats	Interfaces with Jaguar timing products and third party Track & Field scoring software



## SMART INVESTMENT

**Question:** What makes PhotoVision different, or a better choice, than other products?

**Answer:** Our firm has over 14 years of experience manufacturing timing and photo products for the sports industry. Our extensive engineering expertise has allowed us to create a new generation of photo solutions that are finally affordable, quick to deploy, easy to use, with amazing features such as intelligent automatic capture, dynamic lighting adjustments, automatic bookmarks, continuous recording, and more.

**Question:** Do you have specific examples of your product's advantages?

**Answer:** Yes, our camera captures the entire field of view in **Color**, at a width up to 10 feet (3 m), giving you better images and more frames to work with when identifying athletes. Also, you can use our Jaguar Lasers to automatically start capturing frames when the athletes cross the finish line. In addition, PhotoVision will send the finish time instantly to our Jaguar Digital Clock.

Another advantage of PhotoVision is that it leverages the latest economical USB SuperSpeed standard (USB 3.0/3.1 SS). By comparison USB 3.0/3.1 SS delivers up to 10 Gbps or 10 times faster than Ethernet-based solutions on your Windows i7 laptop. You win on all fronts. PhotoVision is more economical, easier to set up and operate, and most importantly, the operator can view images instantly.

## PHOTOVISION PACKAGE PRICING

### Standard

**\$5,499**

- PhotoVision 2000
- FATcap Wireless Gun Sensor
- PhotoVision Software
- Cables
- Rain/Sun Shield
- Case

### Enhanced

**\$7,299**

**Everything in Standard, plus:**

- Premium Camera Tripod
- 7-inch Digital Clock
- Clock Tripod

### Premium

**\$8,299**

**Everything in Standard, plus:**

- Auto Capture Laser Transmitter
- Auto Capture Laser Receiver
- Laser Tripods
- 50' Laser Cable

Annual software license of \$499 required. First year included with purchase.

# Still have questions?

**CONTACT  
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